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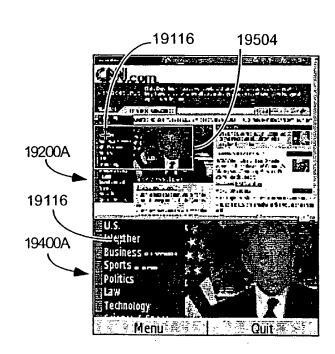
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Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: INNOVATIONS FOR THE DISPLAY OF WEB PAGES



(57) Abstract: Web pages displayed with a simultaneous overview (19200A) and magnified view (19400A). An indicator (19504) can show the portion of the overview in the magnified view. Both views can be shown, one above the other, across the full width of the same screen. A user can select between such a split view and another view, including an overview-only view, a magnified-only view, and a view in which selected text is laid out to fit the width of the magnified view. Navigational input can directly move the layout in the magnified view or the cursor, and can scroll both the overview and magnified view. The magnified view can display text with antialiased fonts designed for its resolution. The magnified view can be made to function like a magnifying glass. The width of text in multicolumn layouts can be limited to fit the width of a view window, such as the magnified-view.

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(88) Date of publication of the international search report: 16 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY To: EDWARD W. PORTER PORTER & ASSOCIATES ONE BROADWAY, SUITE 600 NOTIFICATION OF TRANSMITTAL OF CAMBRIDGE, MA 02142 THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1) Date of Mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below BIT02-1PCT International filing date International application No. (day/month/year) PCT/US03/38342 03 December 2003 (03.12.2003) Applicant BITSTREAM INC. \bowtie The applicant is hereby notified that the international search report has been established at the international search report at the international se Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

Reminders

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Authorized officer Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents John Cabeca / KV P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 703-308-3116 Facsimile No. (703)305-3230

Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY					
To: EDWARD W. PORTER PORTER & ASSOCIATES	PCT				
PORTER & ASSOCIATES ONE BROADWAY, SUITE 600 CAMBRIDGE, MA 02142	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION				
,	(PCT Rule 44.1)				
	Date of Mailing (day/month/year) 0 9 JUL 2004				
Applicant's or agent's file reference BIT02-1PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US03/38342	International filing date (day/month/year) 03 December 2003 (03.12.2003)				
Applicant BITSTREAM INC.					
The applicant is hereby notified that the international sea	arch report has been established and is transmitted herewith.				
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the c	9: claims of the international application (see Rule 46):				
When? The time limit for filing such amendments international search report.	is normally two months from the date of transmittal of the				
Where? Directly to the International Bureau of WII 1211 Geneva 20, Switzerland, Facsimile N	PO, 34, chemin des Colombettes lo.: (41-22) 740.14.35				
For more detailed instructions, see the notes on the					
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.					
3. With regard to the protest against payment of (an) add	ditional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has l	been transmitted to the International Bureau together with the se protest and the decision thereon to the designated Offices.				
	applicant will be notified as soon as a decision is made.				
4. Reminders					
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.					
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.					
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.					
Name and mailing address of the ISA/US	Authorized officer				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	John Cabeca / KV Paggy Canoc				
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230 Telephone No. 703-308-3116					

Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's BIT02-1PC	or agent's file reference	FOR FURTHER ACTION	see Notific Report (Fo item 5 belo				
Internationa PCT/US03/	l application No. 38342	International filing date (day/mont 03 December 2003 (03.12.2003)	h/year)	(Earliest) Priority Date (day/month/year) 03 December 2002 (03.12.2002)			
Applicant BITSTREAM INC.							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets.							
	It is also accompanied	d by a copy of each prior art docur	nent cited	in this report.			
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.							
		carried out on the basis of a transla	tion of the	international application furnished to this			
Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
	contained in the internation	al application in written form.					
	filed together with the inter	national application in computer rea	dable form				
	furnished subsequently to the	nis Authority in written form.					
	furnished subsequently to the	nis Authority in computer readable for	orm.				
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
	the statement that the information been furnished.	mation recorded in computer readabl	e form is i	dentical to the written sequence listing has			
2.	Certain claims were found	l unsearchable (See Box I).					
3.	Unity of invention is lacking (See Box II).						
4. With	regard to the title,	to 11 d. Poss					
	the text is approved as subm	• • • • • • • • • • • • • • • • • • • •					
	the text has been established	d by this Authority to read as follow	S:				
a nea							
5. With 1	regard to the abstract, the text is approved as subn	nitted by the applicant					
			Authority	as it appears in Box III. The applicant may,			
	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.						
6. The fi	gure of the drawings to be pu	blished with the abstract is Figure N	lo. <u>195</u>	<u> </u>			
	as suggested by the applican	nt.		None of the figures			
<u> </u> .	because the applicant failed	to suggest a figure.					
	because this figure better cl	haracterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/38342

Roy III	TEXT OF THE ABSTRACT	(Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

Web pages are displayed with a simultaneous overview (19200A) and magnified view (19400A). An indicator (19504) can show the portion of the overview in the magnified view. Both views can be shown, one above the other, across the full width of the same screen. A user can select between such a split view and another view, including an overview-only view, a magnified-only view, and a view in which selected text is laid out to fit the width of the magnified view. Navigational input can directly move the layout in the magnified view or the cursor, and can scroll both the overview and magnified view. The magnified view can display text with antialiased fonts designed for its resolution. The magnified view can be made to function like a magnifying glass. The width of text in mutlicolumn layouts can be limited to fit the width of a view window, such as the magnified-view.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/38342

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G06F 3/00 US CL : 345/792 According to International Patent Classification (IPC) or to both national classification and IPC						
	DS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 345/792, 781, 784, 760, 864, 660, 671, 786; 715/513, 517, 520						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST search, search terms: web\$, page\$, site\$, magnif\$, enlarg\$, scroll\$, portable\$, cell\$, mobile\$, layout, column\$, width						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
Y	US 5,341,466 (Perlin et al) 23 August 1994 (23.08.1 lines 28-47; Figures 3-5	994), column 8, lines 4-34; column 10,	1-59, 69-70			
Y	US 6,341,310 B1 (Leshem et al) 22 January 2002 (22 column 17, lines 45-56; Figure 2	1-59				
Y	US 6,485,862 B1 (Jacoben et al) 26 November 2002	5-6, 13-14, 18-19, 24- 27, 31-34, 43-46, 58- 59				
Y	US 6,189,020 B1 (Shimizu) 13 February 2001 (13.0	36-46, 51-56				
Y	6, lines 60-67. US 5,956,738 (Shirakawa) 21 September 1999 (21.0	60-70				
Y	column 15, lines 65-67; column 16, lines 1-11; Figur US 5,911,145 (Aurora et 2!) 08 June 1999 (08.06.19	60-70				
Further	documents are listed in the continuation of Box C.	See patent family annex.				
* S	pecial categories of cited documents:	"T" later document published after the inte	rnational filing date or priority			
	of naticular relevance					
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	red to involve an inventive step			
	which may throw doubts on priority clann(s) or which is cited to the publication date of another citation or other special reason (as	claimed invention cannot be o when the document is documents, such combination				
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	e art			
	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent family				
	Date of the actual completion of the international search Date of mailing of the actual search report					
	(16.06.2004) ailing address of the ISA/US	Authorized officer	, 			
	il Stop PCT, Attn: ISA/US		ton and			
Соп	nmissioner for Patents	John Cabeca/KV Peagy (Carrot)				
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 703-308-3116						
	. (703)305-3230					

Form PCT/ISA/210 (second sheet) (July 1998)

NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.